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MAY 0 2 2002

## INFORMATION DISCLOSURE STATEMENT BY APPRICANT

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Sheet 1 of 5

Complete if Known

Application Number 10/087,154

Filing Date March 1, 2002

First Named Inventor Frus

Group Art Unit 2821

Examiner Name Unassigned Ifficiation

Attorney Docket Number 215972

07/17/91

04/04/80

08/10/88

11/22/40

03/09/94

					U.S	S. PATENT DOCUMENTS		· · · · · ·		
			S. Patent Doc	ument				T		
Examiner Initials	Doc. No.		ication or nt Number	Kind Cod	ie	Name of Patentee or Applicant		Date of Publication	Filing D Approp	
bP	AA	2,717,	335		Sii	ms et al.	0	9/06/55		
18	ΑB	2,896,	123		Mo	cNulty	0	7/21/59		
hp	AC	2,938,	147		Ro	ose	0	5/24/60	<del></del>	
he	ΑD	2,980,	822		Sh	nort	0	4/18/61		
hp 7	ΑE	2,985,	797		W	illiams et al.	0	5/23/61		
$\sim \kappa \nu$	AF	2,995,0	685		Lo	ord	0	8/08/61		
hp 1	AG	3,045,	148		Mo	cNulty et al.	0	7/17/62		
1 hP	АН	3,049,6	642		Qı	uinn	0	8/14/62		
1.7	ΑI	3,169,2	212		W	alters	0:	2/09/65		
hp	ΑJ	3,223,8	887		Br	own	1:	2/14/65		
10	ΑK	3,240,	198		Lo	udon et al.	0	3/15/66		
68	ΑL	3,302,6	3,302,629		Sh	nano	0:	2/07/67		
40	AM	3,331,0	033		Jo	hnston	0	7/11/67		•
' hP	AN	3,395,6	386		Mi	nks	0	8/06/68		
12 l	AO	3,407,7	795		Ail	ken et al.	1	0/29/68		
1 47	AP	3,421,8	325		Ma	aycock	0	1/14/69		
hP "	AQ	3,424,9	945		Se	eider et al.	0	1/28/69	-	***
hP	AR	3,450,9	942		Se	egall et al.	0	6/17/69		
12	AS	3,504,6	558		Ch	navis	O.	4/07/70		
1. UP	AT	3,505,5	563		Ra	andall et al.	0.	4/07/70		
18	ΑU	3,534,7	719		Mi	nks	10	0/20/70		
68	ΑV	3,546,5	528		Fis	sher	1:	2/08/70		
- 1					FORE	IGN PATENT DOCUMENTS				
		F	oreign Patent				T		Trans	lation
Examiner Initials	Doc. No.	Office	Applicati Patent Nu		Kind Code	Country		Date of Publication	Yes	No*+

	_	OTHER - NON PATENT LITERATURE DOCUMENTS		
Examiner	Doc.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	lation
Initials	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No*+
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68	ВС	BURLAND, G.N., "High Energy Igniters," Aerospace (January 1984).		_
hp	BD	GRAF, et al., "Solid State Ignition Systems, Chapters 3-5, (1974).		
hp	BE	Lucas Aerospace Overhaul Manual, Type NB. 10605 High Energy Ignition Unit, Fig, 2, (July 1978).		
hp'	BF	SAE Aerospace Information Report, AIR 784A (1975).		

EP

EP

EP

GB

EP

Examiner Signature Hawke Thiby Date Considered 6/1/02

228,840

362,014

369,236

529,558

586,287

ΑW

ΑX

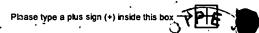
AY

ΑZ

BA

A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

<sup>+</sup> An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).



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# INFORMATION DISCLOSURE STATEMENT BY ARRESTANT

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Sheet 2 5 of

Complete if Known						
Application Number	10/087,154					
Filing Date	March 1, 2002					
First Named Inventor	Frus					
Group Art Unit	2821					
Examiner Name	Unassigned AttloGENE					
Attorney Docket Number	215072					

				U.S. PATENT DOCUMENTS	-	
		U.S. Patent Docur	nent			
Examiner Initials	Doc. No.	Patent Number Code		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
he	BG	3,556,706		Campbell	01/19/71	·
60	ВН	3,560,833		Oishi et al.	02/02/71	
hp 1	ВІ	3,569,727		Aggarwal et al.	03/09/71	
' ho	ВJ	3,571,609		Knudson	03/23/71	
1.8	вк	3,575,153		Hardin et al.	04/20/71	
ly	BL	3,583,378		Pattee	06/08/71	
lio "	ВМ	3,584,929		Schuette	06/15/71	
1 /sp	BN	3,600,887		Gault	08/24/71	
lif 1	BO	3,629,652		Maycock	12/21/71	
6 hp	BP	3,635,202		Issler et al.	01/18/72	
18	BQ	3,675,077		Minks	07/04/72	
hp	BR	3,681,001		Potts	08/01/72	
22	BS	3,716,758		Palazzetti	02/13/73	
" hp	ВТ	3,731,144		McKeown	05/01/73	;
Le t	ВU	3,740,589		Minks	06/19/73	
hp	BV	3,750,637		Minks	08/07/73	* .
he	BW	3,769,545		Crane	10/30/73	
W	ВХ	3,806,305		Dietz et al.	04/23/74	
LP T	BY	3,818,885		Canup	06/25/74	
" la	ΒZ	3,824,432		Gersing	07/16/74	
100 V	CA	3,835,350		Thakore	09/10/74	
hp	СВ	3,838,328		Lundy	09/24/74	
h	C	3,839,659		Bruijning et al.	10/01/74	
hp	D	3,849,670		Lourigan	11/19/74	
18	CE	3,857,376	L	Williams	12/31/74	
" Lip	F	3,869,645		Collins	03/04/75	
be "	G	3,889;160		Cobarg	06/10/75	
7 he	C	3,894,273		Newport, Jr., et al.	07/08/75	
W	c	3,906,919		Asik et al.	09/23/75	
1 bp	C	3,910,246		Canup	10/07/75	*
be	СК	3,918,425		Pulzer	11/11/75	
1 68	CL	3,958,168		Grundberg	05/18/76	
4P 1	СМ	3,961,613		Canup	06/08/76	
1 hp	CN	4,004,561		Thieme	01/25/77	
BT	CO	4,027,198		Linkroum	05/31/77	
hD	CP	4,032,842		Green et al.	06/28/77	
hD T	CQ	4,122,816		Fitzergerald et al.	10/31/78	
60	CR	4,129,895		Witting	12/12/78	
hp 1	CS	4,136,301		Shimojo et al.	01/23/79	
12	CT	4,154,205		Förster	05/15/79	
hp	C	4,167,767		Courier de Mere	09/11/79	
Examiner S	Signature	Hay19	thilos	Date Considered	6/1/02	

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Sheet 3 of 5

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Application Number	10/087,154
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First Named Inventor	Frus
Group Art Unit	2821
Examiner Name	Unassigned IHUOGENE
Attorney Docket Number	215972

				U.S. PATENT DOCUMENTS		
		U.S. Patent Docu	ment			
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
hP	CV	4,191,911	<u></u>	Gerry	03/04/80	
lip	CW	4,203,052		Bechtel	05/13/80	
י קה	СХ	4,228,778		Rabus et al.	10/1980	
we	CY	4,245,609		Gerry	01/20/81	
np c	CZ	4,247,880		Morio	01/27/81	
hP	DA	4,261,025		Chafer et al.	04/07/81	
4 1-	DB	4,277,728		Stevens	07/07/81	
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np l	DD	4,329,628		Bohan, Jr.	05/11/82	
be	DE	4,349,008		Wainwright	09/14/82	
hz!	DF	4,359,037		Stangl	11/16/82	
he	DG	4,414,804		Menard et al.	11/15/83	•
hp "	DH	4,479,467		Burrows et al.	10/30/84	
nr	DI	4,502,454		Hamai et al.	03/05/85	
hp 1	DJ	4,510,915		Ishikawa et al.	04/16/85	
. //	DK	4,522,184		Lepley	06/11/85	<del></del>
7 12	DL	4,535,380		Geary	08/13/85	
bp	DM	4,561,707		Jackson	12/31/85	
rf 1	DN	4,589,398		Pate et al.	05/20/86	<del></del>
hP	DO	4,613,797		Eggers et al.	09/23/86	
hP'	DP	4,688,538		Ward et al.	08/25/87	
he	DQ	4,696,280		Niggemeyer	09/29/87	
7	DR	4,705,013		Minks	11/10/87	
LAD	DS	4,774,924		Minks	10/04/88	
121	DT	4,829,971		Minks	05/16/89	
ho	DU	4,833,369		White	05/23/89	
201	DV	4,839,772		Choi et al.	06/13/89	· · · · · · · · · · · · · · · · · · ·
h	DW	4,922,396		Niggemeyer	(01/08/91)5/990	<del></del>
le l	DX	4,983,886		Balland	01/08/91	
he	DY	5,032,969		Eggers et al.	07/16/91	
P	DZ	5,065,073		Frus	11/12/91	
hP	EA	5,148,084		Frus	09/15/92	
D'	ΕB	5,170,760		Yamada	12/15/92	<del></del>
/ / 5	EC	5,178,120		Howson et al.	01/12/93	
Pho	ED	5,245,252	<del>                                     </del>	Frus et al.	09/14/93	
ho	EE	5,440,445		Balland	08/08/95	
P	EF	5,548,472	<del>                                     </del>	Balland	08/20/96	
hP	EG	5,561,350	<del>                                     </del>	Frus et al.	10/1996	
7 7-	EH	5.754,011	<del>                                     </del>	Frus et al.	05/1998	<del></del>

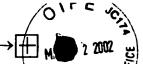
Examiner Signature Haussa This \_\_\_\_ Date Considered 6/1/02

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First Named Inventor	Frus
Group Art Unit	2821
Examiner Name	Unassigned 1/1/0 CEVE
Attorney Docket Number	125972

			F	OREIGN	PATENT DOCUMENTS			
i			Foreign Patent Document	I 101 . 4			Trans	slation
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Country	Date of Publication	Yes	No*+
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48	ΕK		645,886		EP	03/29/95		
he	EL		661,410		GB	11/21/51		
hp	ΕM		682,877		GB	11/19/52		
N	ΕN		762,097		GB	11/21/56		
hp	ΕO	_	762,119		GB	11/21/56		
hp	ΕP		808,991		GB	02/18/59		
he	EQ		896,161		GB	05/09/62		
he	ER		962,417		GB	07/01/64		
le "	ES		992,288		GB	05/19/65		
bp	ΕT		997,257		GB	03/30/67		
hr	ΕŲ		1,018,963		GB	02/02/66		
69	EV		1,027,259		GB	04/27/66		
49	EW		1,035,656		GB	07/13/66		
hp	EX		1,037,664		GB	08/03/66		
hp	ΕY		1,045,812		GB	10/19/66		-
M	ΕZ		1,063,257		GB	03/30/67	-	
hp	FA		1,085,434		GB	10/04/67		
he	FB		1,097,275		FR	07/04/55		
68	FC		1,102,267		GB	02/07/68		
hp	FD		1,106,511		GB	03/20/68		
hp	FE		1,106,923		GB	03/20/68		
he	FF		1,109,052		GB	04/10/68	·	
hp	FG		1,109,158		GB	04/10/68		
hp	FΗ		1,111,791		GB	05/01/68		
hp	FΙ		1,117,181		GB	12/04/68		
' hP	FJ		1,132,103		GB	10/30/68		
hp	FK		1,135,530		GB	12/04/68		
hp	FL		1,136,243		GB	12/11/68		
hp	FM		1,170,020		GB	07/22/68		
40	FN		1,179,229		GB	07/17/69		
Examiner Signature	78	sista	This -		Date Considered 4//0 2			

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Sheet 5 of 5

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**Examiner Name** 

Attorney Docket Number

Complete if Known Application Number 10/087,154 March 1, 2002 Filing Date First Named Inventor Frus **Group Art Unit** 2821

Unassigned PHILOGENE

215972 **FOREIGN PATENT DOCUMENTS** Foreign Patent Document **Translation** Examiner Application or Doc. Kind Office Initials Patent Number No. Code Country Date of Yes No\* **Publication** FO 1,182,726 **GB** 04/04/68 FP 1,239,756 **GB** 07/21/71 FQ 1,255,542 GB 12/01/71 FR 1,256,885 **GB** 12/15/71 FS 1,263,248 GB 02/09/72 FT 1,268,290 GB 03/29/72 FU 1,283,905 GB 08/02/72 FV 1,327,564 **GB** 08/22/73 FW 1,334,230 GB 10/17/73 FX 1,353,588 GB 05/22/74 FY 1,361,724 GB 07/30/77 FZ 1,396,280 GB 06/04/75 GA 1,400,446 GB 07/01/75 **GB** 1,424,195 **GB** 02/11/76 GC 1,467,286 GB 03/16/77 GD 1,537,278 GB 12/29/78 GE 1,537,279 GB 12/29/78 **GF** 1,571,884 **GB** 07/23/80 GG 2.085.523 GB 04/28/82 GH 2,317,804 FR 06/23/76 GI 3,347,235 DE 05/07/84 GJ 57 140567 JP 08/31/82 WO 95-24554 **GK** US95/03078 **PCT** 03/09/95

Marson Holog. Examiner Date 41/02 Signature Considered

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